

DIMENSIONS						REINFORCING STEEL																										
SPAN (FT.)	HGHT (FT.)	T1 TOP SLAB	T2 BOTTOM SLAB	T3 EXTERIOR WALL (IN.)	T4 INTERIOR WALL (IN.)	A	B	C	D	E	F	BH1			BH2			BH3			BH4			BV1			BV2					
												SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	a	LENGTH	SIZE	SPACING C-C	a	b	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	LENGTH
3	3	8"	8"	8"	8"	6	6'-0"	6	6'-0"	1	1'-0"	4	12"	7'-6"	4	12"	7'-8"	--	----	----	----	4	12"	2'-1 1/4"	2'-8"	4'-6"	4	12"	4'-0"	4	12"	4'-0"
3	4	8"	8"	8"	8"	6	6'-0"	6	6'-0"	2	2'-0"	4	12"	7'-6"	4	12"	7'-8"	--	----	----	----	4	12"	2'-1 1/4"	3'-2"	5'-0"	4	12"	5'-0"	4	12"	5'-0"
4	3	8"	8"	8"	8"	8	8'-0"	8	8'-0"	1	1'-0"	4	12"	9'-1"	4	12"	9'-8"	--	----	----	----	4	12"	2'-3 3/8"	2'-8"	4'-8"	4	12"	4'-0"	4	12"	4'-0"
4	4	8"	8"	8"	8"	8	8'-0"	8	8'-0"	2	2'-0"	4	12"	9'-1"	4	12"	9'-8"	--	----	----	----	4	12"	2'-3 3/8"	3'-2"	5'-2"	4	12"	5'-0"	4	12"	5'-0"
4	5	8"	8"	8"	8"	8	8'-0"	8	8'-0"	3	3'-0"	4	12"	9'-1"	4	12"	9'-8"	--	----	----	----	4	12"	2'-3 3/8"	3'-8"	5'-8"	4	12"	6'-0"	4	12"	6'-0"
4	6	8"	8"	8"	8"	8	8'-0"	8	8'-0"	4	4'-0"	4	12"	9'-1"	4	12"	9'-8"	--	----	----	----	4	12"	2'-3 3/8"	4'-2"	6'-2"	4	12"	7'-0"	4	12"	7'-0"
5	3	8"	8"	8"	8"	10	10'-0"	10	10'-0"	1	1'-0"	4	12"	10'-8"	4	12"	11'-8"	--	----	----	----	4	12"	2'-6"	2'-8"	4'-11"	4	12"	4'-0"	4	12"	4'-0"
5	4	8"	8"	8"	8"	10	10'-0"	10	10'-0"	2	2'-0"	4	12"	10'-8"	4	12"	11'-8"	--	----	----	----	4	12"	2'-6"	3'-2"	5'-5"	4	12"	5'-0"	4	12"	5'-0"
5	5	8"	8"	8"	8"	10	10'-0"	10	10'-0"	3	3'-0"	4	12"	10'-8"	4	12"	11'-8"	--	----	----	----	4	12"	2'-6"	3'-8"	5'-11"	4	12"	6'-0"	4	12"	6'-0"
5	6	8"	8"	8"	8"	10	10'-0"	10	10'-0"	4	4'-0"	4	12"	10'-8"	4	12"	11'-8"	--	----	----	----	4	12"	2'-6"	4'-2"	6'-5"	4	12"	7'-0"	4	12"	7'-0"
5	7	8"	8"	8"	8"	10	10'-0"	10	10'-0"	5	5'-0"	4	12"	10'-8"	4	12"	11'-8"	--	----	----	----	4	12"	2'-6"	4'-8"	6'-11"	4	12"	8'-0"	4	12"	8'-0"
6	4	8"	8"	8"	8"	12	12'-0"	12	12'-0"	2	2'-0"	4	12"	12'-3"	4	12"	13'-8"	4	12"	2'-8 3/8"	5'-2"	4	12"	2'-8 3/8"	3'-2"	5'-7"	4	12"	5'-0"	4	12"	5'-0"
6	5	8"	8"	8"	8"	12	12'-0"	12	12'-0"	3	3'-0"	4	12"	12'-3"	4	12"	13'-8"	4	12"	2'-8 3/8"	5'-2"	4	12"	2'-8 3/8"	3'-8"	6'-1"	4	12"	6'-0"	4	12"	6'-0"
6	6	8"	8"	8"	8"	12	12'-0"	12	12'-0"	4	4'-0"	4	12"	12'-3"	4	12"	13'-8"	4	12"	2'-8 3/8"	5'-2"	4	12"	2'-8 3/8"	4'-2"	6'-7"	4	12"	7'-0"	4	12"	7'-0"
6	7	8"	8"	8"	8"	12	12'-0"	12	12'-0"	5	5'-0"	4	12"	12'-3"	4	12"	13'-8"	4	12"	2'-8 3/8"	5'-2"	4	12"	2'-8 3/8"	4'-8"	7'-1"	4	12"	8'-0"	4	12"	8'-0"
6	8	8 1/4"	8 1/4"	8"	8"	12	12'-0"	12	12'-0"	6	6'-0"	4	12"	12'-3"	4	12"	13'-8"	4	12"	2'-8 3/8"	5'-2"	4	12"	2'-8 3/8"	5'-2 1/4"	7'-7"	4	12"	9'-0"	4	12"	9'-0"
7	4	8 3/4"	8 3/4"	8"	8"	14	14'-0"	14	14'-0"	2	2'-0"	4	11"	13'-10"	4	11"	15'-8"	--	----	----	----	5	11"	2'-10 3/4"	3'-2 3/4"	5'-10"	4	11"	5'-2"	4	12"	5'-2"
7	6	9"	9"	8"	8"	14	14'-0"	14	14'-0"	4	4'-0"	4	11"	13'-10"	4	11"	15'-8"	4	11"	2'-10 3/4"	5'-6"	4	11"	2'-10 3/4"	4'-3"	6'-11"	4	12"	7'-2"	4	12"	7'-2"
7	8	9 1/4"	9 1/4"	8"	8"	14	14'-0"	14	14'-0"	6	6'-0"	4	11"	13'-10"	4	11"	15'-8"	4	11"	2'-10 3/4"	5'-6"	4	11"	2'-10 3/4"	5'-3 1/4"	7'-11"	4	12"	9'-2"	4	12"	9'-2"
7	10	9 1/2"	9 1/2"	8"	8"	14	14'-0"	14	14'-0"	8	8'-0"	4	11"	13'-10"	4	11"	15'-8"	3	11"	2'-10 3/4"	6'-7"	5	11"	2'-10 3/4"	6'-3 1/2"	8'-10"	4	9"	11'-3"	4	12"	11'-3"
8	4	10 1/4"	10 1/4"	8"	8"	16	16'-0"	16	16'-0"	2	2'-0"	5	9"	15'-6"	4	9"	17'-8"	3	9"	3'-1 1/4"	6'-0"	4	9"	3'-1 1/4"	3'-4 1/4"	6'-2"	4	10 1/2"	5'-5"	4	12"	5'-5"
8	6	10 1/2"	10 1/2"	8"	8"	16	16'-0"	16	16'-0"	4	4'-0"	5	9"	15'-6"	4	9"	17'-8"	--	----	----	4	9"	3'-1 1/4"	4'-4 1/2"	7'-3"	4	12"	7'-5"	4	12"	7'-5"	
8	8	10 3/4"	10 3/4"	8"	8"	16	16'-0"	16	16'-0"	6	6'-0"	5	9"	15'-6"	4	9"	17'-8"	3	9"	3'-1 1/4"	6'-0"	4	9"	3'-1 1/4"	5'-4 3/4"	8'-3"	4	12"	9'-5"	4	12"	9'-5"
8	10	11"	11"	8"	8"	16	16'-0"	16	16'-0"	8	8'-0"	5	9"	15'-6"	4	9"	17'-8"	--	----	----	5	9"	3'-1 1/4"	6'-5"	9'-2"	4	10"	11'-6"	4	12"	11'-6"	
9	4	11 1/4"	11 1/4"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	5	8"	17'-1"	4	8"	19'-8"	3	8"	3'-3 3/8"	6'-5"	4	8"	3'-3 3/8"	3'-5 1/4"	6'-6"	4	10"	5'-6"	4	12"	5'-6"
9	6	11 1/2"	11 1/2"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	5	8"	17'-1"	4	8"	19'-8"	--	----	----	4	8"	3'-3 3/8"	4'-5 1/2"	7'-6"	4	12"	7'-7"	4	12"	7'-7"	
9	8	11 3/4"	11 3/4"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	5	8"	17'-1"	4	8"	19'-8"	--	----	----	4	8"	3'-3 3/8"	5'-5 3/4"	8'-6"	4	12"	9'-8"	4	12"	9'-8"	
9	10	11 3/4"	11 3/4"	8"	8"	18	18'-0"	18	18'-0"	8	8'-0"	5	8"	17'-1"	4	8"	19'-8"	3	8"	3'-3 3/8"	6'-5"	4	8"	3'-3 3/8"	6'-5 3/4"	9'-6"	4	11"	11'-8"	4	12"	11'-8"
9	12	12 1/4"	12 1/4"	8"	8"	18	18'-0"	18	18'-0"	10	10'-0"	5	8"	17'-1"	4	8"	19'-8"	4	8"	3'-3 3/8"	6'-4"	5	8"	3'-3 3/8"	7'-6 1/4"	10'-6"	5	9"	13'-9"	4	12"	13'-9"
10	4	12 1/4"	12 1/4"	8"	8"	20	20'-0"	20	20'-0"	2	2'-0"	5	9"	18'-8"	5	9"	21'-8"	--	----	----	5	9"	3'-6"	3'-6 1/4"	6'-8"	4	9"	5'-9"	4	12"	5'-9"	
10	6	12 1/2"	12 1/2"	8"	8"	20	20'-0"	20	20'-0"	4	4'-0"	5	9"	18'-8"	5	9"	21'-8"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	4'-6 1/2"	7'-9"	4	12"	7'-9"	4	12"	7'-9"
10	8	12 3/4"	12 3/4"	8"	8"	20	20'-0"	20	20'-0"	6	6'-0"	5	9"	18'-8"	5	9"	21'-8"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	5'-6 3/4"	8'-10"	4	12"	9'-9"	4	12"	9'-9"
10	10	13"	13"	8"	8"	20	20'-0"	20	20'-0"	8	8'-0"	5	9"	18'-8"	5	9"	21'-8"	--	----	----	5	9"	3'-6"	6'-7"	9'-9"	4	11 1/2"	11'-10"	4	12"	11'-10"	
10	12	13"	13"	8"	8"	20	20'-0"	20	20'-0"	10	10'-0"	5	9"	18'-8"	5	9"	21'-8"	4	9"	3'-6"	6'-9"	5	9"	3'-6"	7'-7"	10'-9"	4	6"	13'-10"	4	12"	13'-10"
12	6	14 3/4"	14 3/4"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	6	8"	21'-10"	4	8"	25'-8"	3	8"	3'-10 3/4"	7'-7"	4	8"	3'-10 3/4"	4'-8 3/4"	8'-4"	4	12"	8'-1"	4	12"	8'-1"
12	8	15"	15"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	6	8"	21'-10"	4	8"	25'-8"	3	8"	3'-10 3/4"	7'-7"	4	8"	3'-10 3/4"	5'-9"	9'-5"	4	12"	10'-2"	4	12"	10'-2"
12	10	15 1/4"	15 1/4"	8"	8"	24	24'-0"	24	24'-0"	8	8'-0"	6	8"	21'-10"	4	8"	25'-8"	4	8"	3'-10 3/4"	7'-6"	4	8"	3'-10 3/4"	6'-9 1/4"	10'-5"	4	12"	12'-3"	4	12"	12'-3"
12	12	15 1/2"	15 1/2"	8"	8"	24	24'-0"	24	24'-0"	10	10'-0"	6	8"	21'-10"	5	8"	25'-8"	4	8"	3'-10 3/4"	7'-6"	5	8"	3'-10 3/4"	7'-9 1/2"	11'-4"	4	6"	14'-3"	4	12"	14'-3"

FOR TYPICAL SECTION, NOTES AND OTHER DETAILS, REFER TO STANDARD BCD-DT.

**VDOT**  
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 2      REVISION DATE

1003.10

**DOUBLE BOX CULVERTS**  
10 TO 15 FT. FILLS  
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION  
REFERENCE